



# BIOGRAPHY



## UNITED STATES AIR FORCE

### COLONEL REX R. KIZIAH

Colonel Rex R. Kiziah is Commander, Phillips Research Site, and Materiel Wing Director, Space Vehicles Directorate, Air Force Research Laboratory, Air Force Materiel Command, Kirtland Air Force Base, N.M. He leads a team of 935 military, civilian, and on-site contractors who comprise the nation's "Center of Excellence" for military space science & technology, research & development, and advanced technologies integration and demonstration. His team manages a total annual budget of approximately \$375 million focused on the mission thrusts of space-based command, control, communications, intelligence, surveillance, and reconnaissance; responsive space; and counterspace.

Colonel Kiziah is a distinguished graduate of the U.S. Air Force Academy. He has served as an Air Force science and technology officer, Associate Professor of Physics at the U.S. Air Force Academy, joint duty officer and deputy program manager within the Office of the Secretary of Defense, the Air Force Research Laboratory Commander's representative and staff member of the National Reconnaissance Office Advanced Systems and Technology Directorate, as well as Combat Support and Joint Counterair Division Chief at Headquarters U.S. Air Force. Prior to his current assignment, he was the Materiel Group Director for Advanced Space Superiority of the Space Superiority Materiel Wing at Los Angeles Air Force Base.



### EDUCATION

1981 *Distinguished graduate and outstanding cadet in physics*, Bachelor of science degree in physics, U.S. Air Force Academy, Colo.

1984 Doctor of philosophy in physics, The University of Texas at Austin, Texas.

1986 Squadron Officer School, Maxwell Air Force Base, Ala.

1994 *Distinguished graduate*, Air Command and Staff College, Maxwell Air Force Base, Ala.

1995 Joint and Combined Staff Officer School, Armed Forces Staff College, Norfolk, Va.

1998 Advanced Program Management Course, Defense Systems Management College, Ft Belvoir, Va.

2000 Master of strategic studies, Air War College, Maxwell Air Force Base, Ala.

2004 Executive Program Manager's Course, Defense Systems Management College, Ft Belvoir, Va.

### ASSIGNMENTS

1. June 1981 – August 1984, graduate student and research physicist, The University of Texas at Austin, Texas and Los Alamos National Laboratory, Los Alamos, N.M.

2. September 1984 – May 1988, section chief and neutral particle beam research officer, Weapons Technology Branch, Air Force Weapons Laboratory, Kirtland Air Force Base, N.M.

3. June 1988 – July 1993, instructor, assistant, and associate professor of physics, U.S. Air Force Academy, Colo.

4. August 1993 – June 1994, student, Air Command and Staff College, Maxwell Air Force Base, Ala.

5. July 1994 – July 1997, joint duty officer, nuclear matters special assistant for research and technology, and deputy program manager, counterproliferation support program, Office of the Assistant to the

Secretary of Defense for Nuclear and Chemical and Biological Defense Programs, Office of the Secretary of Defense, Washington, D.C.

6. August 1997 – July 1999, Air Force Research Laboratory Commander's representative to the National Reconnaissance Office and Advanced Systems and Technology Directorate staff member, National Reconnaissance Office, Chantilly, Va.

7. August 1999 – June 2000, student, Air War College, Maxwell Air Force Base, Ala.

8. July 2000 – May 2001, chief, theater air defense division, Directorate of Global Power Programs, Office of the Assistant to the Secretary of the Air Force for Acquisition, Headquarters U.S. Air Force, Washington, D.C.

9. June 2001 – June 2002, chief, combat support and joint counterair division, Directorate of Global Power Programs, Office of the Assistant to the Secretary of the Air Force for Acquisition, Headquarters U.S. Air Force, Washington, D.C.

10. July 2002 – May 2004, Materiel Group Director for Advanced Space Superiority, Space Superiority Materiel Wing, Space and Missile Systems Center, Air Force Space Command, Los Angeles Air Force Base, Calif.

11. June 2004 - Present, Commander, Phillips Research Site and Materiel Wing Director for Space Vehicles Directorate, Air Force Research Laboratory, Air Force Materiel Command, Kirtland Air Force Base, N.M.

### MAJOR AWARDS AND DECORATIONS

Legion of Merit

Defense Meritorious Service Medal with oak leaf cluster

Meritorious Service Medal with oak leaf cluster

Air Force Commendation Medal

Joint Service Achievement Medal

### OTHER ACHIEVEMENTS

1991 Outstanding Military Educator in Physics, U.S. Air Force Academy

1999 Fully Qualified Joint Specialty Officer

### PUBLICATIONS

*"Technologies Necessary to Make Warfighting Space a Reality."* High Frontier: The Journal for Space and Missile Professionals, Vol 1 No 4, Winter 2005 (HQ AFSPC).

*"The Emerging Biocruise Threat."* Today's Best Military Writing: The Finest Articles on the Past, Present, and Future of the U.S. Military, ed. Walter J. Boyne (New York, NY: Tom Doherty Associates, LLC, 2004).

*"Assessment of the Emerging Biocruise Threat."* Chap 8, The Gathering Biological Warfare Storm, ed. Jim A. Davis and Barry R. Schneider (Wesport, CT: Praeger Publishers, 2004).

*"U.S.-Led Cooperative Theater Missile Defense in Northeast Asia: Challenges and Issues."* Maxwell paper No. 21, Air War College, July 2000.

*"Air Force and NASA Activities to Address the Threat of Asteroid/Comet-Earth Impacts."* Aerospace Power Chronicles Contributor's Corner, May 2000.

SPACECAST 2020, Vol I – IV, contributing author of six concept/white papers, June 1994.

*"Experimental Response Functions Spanning the Gamma-ray Energy Range of 123.6 keV to 11.67 MeV and Response Matrix Generation for Bismuth Germanate Scintillation Detectors."* Nuclear Instruments and Methods in Physics Research, 1991.

*"Pion Inelastic Scattering to the Low-lying Excited States of <sup>6</sup>Li."* Physical Review C, March 1985.

### EFFECTIVE DATES OF PROMOTION

Second Lieutenant May 27, 1981

First Lieutenant May 27, 1983

Captain May 27, 1985

Major Sept. 1, 1993

Lieutenant Colonel Jan. 1, 1998

Colonel July 1, 2002

(Current as of January 2006)